

From glowbugs@theporch.com Tue Jan 7 10:49:08 1997  
Return-Path: <glowbugs@theporch.com>  
Received: from uro (localhost.theporch.com [127.0.0.1])  
by uro.theporch.com (8.8.4/AUX-3.1.1)  
with SMTP id KAA01574;  
Tue, 7 Jan 1997 10:30:20 -0600 (CST)  
Date: Tue, 7 Jan 1997 10:30:20 -0600 (CST)  
Message-Id: <9701071625.AA13250@speckle.ncsl.nist.gov>  
Errors-To: ws4s@infoave.net  
Reply-To: glowbugs@theporch.com  
Originator: glowbugs@theporch.com  
Sender: glowbugs@theporch.com  
Precedence: bulk  
From: glowbugs@theporch.com  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: GLOWBUGS digest 407  
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
X-Comment: Please send list server requests to listproc@theporch.com  
Content-Type: text/plain; charset="us-ascii"  
Mime-Version: 1.0  
X-Mailer: Windows Eudora Version 2.1.1  
Status: 0

#### GLOWBUGS Digest 407

Topics covered in this issue include:

- 1) AM Modulator  
by TMOLL@aol.com
- 2) Re: Antique rx with 2A3 triodes  
by bry@mnsinc.com (Brian Carling)
- 3) Re: Possible clash w/QRPers Feb/March  
by rdkeys@csemail.cropsci.ncsu.edu
- 4) Help with ARC-5 Receivers  
by Dave <gekko95@ix.netcom.com>
- 5) Re: Help with ARC-5 Receivers  
by Doug <doug@sunrise.alpinet.net>
- 6) Re: Help with ARC-5 Receivers  
by "Joseph L. Hartmann, Jr." <joe@h@sugar-river.net>
- 7) ARRL grants Glowbugs copy permission  
by "Paul F. Carreiro" <carreiro@barepower.net>
- 8) ARRL grants Glowbugs copy permission  
by John <johnmb@mindspring.com>
- 9) Re: Help with ARC-5 Receivers  
by arc5@ix.netcom.com (David Stinson )
- 10) Sulking Elephants  
by Siegfried Rambaum <siram@lightlink.com>
- 11) Re: Help with ARC-5 Receivers

by Roy Morgan <morgan@speckle.ncsl.nist.gov>

-----  
Date: Mon, 6 Jan 1997 14:29:15 -0500  
From: TMOLL@aol.com  
To: glowbugs@theporch.com  
Subject: AM Modulator  
Message-ID: <970106135241\_1957300123@emout08.mail.aol.com>

Can anyone provide schematics or point me to a source of circuits for screen or plate modulators that would be suitable for a Heath AT-1 and/or a Johnson Navigator? Thx.  
Tom, N0BS

-----  
Date: Mon, 06 Jan 1997 18:00:31 GMT  
From: bry@mnsinc.com (Brian Carling)  
To: jcraig@morgan.ucs.mun.ca, glowbugs@theporch.com  
Subject: Re: Antique rx with 2A3 triodes  
Message-ID: <199701062100.QAA02205@news2.mnsinc.com>

Joe - try asking this information in the BOATANCHORS newsgroup or in the GLOWBUGS mailing list.

I will copy it to both. I bet SOMEONE can help you there!

We have a BUNCH of great home construction articles for old tube radios at:  
<http://www.mnsinc.com/bry/hamfiles.htm>

But it is MOSTLY transmitters.

jcraig@morgan.ucs.mun.ca (Joe Craig) whistled a happy tune like:

|>I've located a small source of 2A3 triodes and am considering  
|>building an old-time receiver (perhaps a TRF). Are there  
|>any references on using 2A3's in receivers?

|>--  
|>73 Joe V01NA

p.s. - send an e-mail to:

[listserv@theproch.com](mailto:listserv@theproch.com)

with the text:

SUBSCRIBE GLOWBUGS YOURNAME

73 from Bry (((Amateur Radio G3XLQ / AF4K)))  
http://www.mnsinc.com/bry  
E-mail: bry@mnsinc.com  
Home of MEGALIST ham radio files, SWL info. etc. etc.

-----  
Date: Mon, 6 Jan 1997 19:36:16 -0500 (EST)  
From: rdkeys@csemail.cropsci.ncsu.edu  
To: ebjr@worldnet.att.net (Sandy W5TVW)  
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com,  
Subject: Re: Possible clash w/QRPers Feb/March  
Message-ID: <9701070036.AA117622@csemail.cropsci.ncsu.edu>

Why don't all of us BA/GB types go QRP on the QRG of 3579R545 during this sprint thingie. It would give the glowbugs a time to shoot for the sky, too! Also, it would give me fine Hartley oscillator a chance ``ta shows wats it be about, again' them thar sandistateishes things wat has lost their glow and smoke!'' (:+{} }.....

All BA/GB stations take note that 0200-0300Z is QRP time on the QRG, but 0300Z and later is fine for the big boyz on the QRG, OK? This is for the period of EACH THURSDAY nite, in February and March, 1997, per below. I am sure the peanut whistles amongst us (particularly the glowbuggeite folks, will have a fine rig up fer 5 wattes de ether, byes the bye.....

The ol' ArcusFivus might even give them thar deadbug thingies a run fer their money! At 250vdc, it puts out exactly 5 o' them thar ethereal wattes!

I am sure the glowbuggites amongst the BA/GB crew can give these fellers a fine set o' logs an' shows them folkes jus' wat real radio be about! I knows fer a fact that some o' them thar QRP folkes has glownebottles in their hearts, really, that jus' needs a tad o' careful cultivatin' an some real ether burnin' ta goes wid dat fine glow!

73/ZUT DE NA4G/Bob UP

> Bob,  
>  
> Picked this up from the QRP mailing list. We might change our  
> schedule during the times noted, or possibly go QRP and join 'em during  
> those times. I'm sending you this for your perusal and recommendations to

> the BA group on CW and the 3579.5 QRG!  
 > Let me know what you decide. I don't think any of our people will disagree  
 > to go QRP just one night a week for a couple of months. Might be time to  
 > get the Hartleys going!  
 >  
 > 73..  
 > Sandy W5TVW  
 > -----(  
 > snip)-----  
 > Announcing the :  
 >  
 > QRP-NE (QRP Club of New England)  
 >  
 > 79er SPRINT  
 > -----  
 >  
 > When: Each Thursday evening during February and March, 1997  
 >  
 > Modes: CW - Crystal and VFO Control  
 >  
 > Freq: ~ 3.579 MHz  
 >  
 > Power Level - 5 Watts or less output power  
 >  
 > Time: 9:00 - 10:00 p.m. EST (0200-0300 UTC)  
 >  
 > Exchange - RST QTH NE#X NAME; ie.....579 OH NE404X Ted  
 >  
 > Members use QRP-NE number; NE404 and add X if XTAL control; NE404X  
 > Non-members use Power Level; 4W and add X if XTAL control; 4WX  
 >  
 > QSOs are cumulative: Work the same station on subsequent Thursdays.  
 > Score: QSOs X SPC. Crystal Station Bonus: Total score X 1.5.  
 >  
 > The 79er transmitter was NE-QRP's first club project. It uses a  
 > 3579.545 kHz crystal to set the frequency. These crystals are used in  
 > the colorburst oscillator of all color TV sets in the United States  
 > and Canada, and in other devices as well.  
 >  
 > The 79er event is an on-the-air get together, not a contest.  
 > Crystal-controlled stations append the letter "X" to their calls,  
 > such as "KF8EE/X." Yes, it's legal. We hope this event will stimulate  
 > everyone to build a crystal-controlled transmitter to use during the event!  
 >  
 > Send Logs to: Ted Albert, KF8EE  
 > 1924 Timberidge Drive  
 > Loveland, OH 45140  
 >  
 > (or)

>  
> e-mail Logs to: 72437.651@compuserve.com  
>  
> Logs need to be received by April 30, 1997. Results will be published  
> in "72". State Output Power Level, Type of Rig, and Antenna Type on logs.  
> Include comments on the event or how you built your crystal-controlled  
> transmitter for inclusion in the report in "72".  
>  
>  
> Watch out: W1AW transmits bulletins at 10:00 pm. on 3.581 MHz  
>  
> -----

W1AW ain' no probleme ta real radios wats glows in the dark, right!

Mebbee we needs ta shows them fellers wat the real ragged edge o' regeneration  
can do ta cuts down de ol Mother Station QRM. Them sandishesboxen jus ain'  
got it down, right, yet.....(:+{}}.....

-----  
Date: Mon, 6 Jan 1997 20:04:44 -0800  
From: Dave <gekko95@ix.netcom.com>  
To: glowbugs@theporch.com  
Subject: Help with ARC-5 Receivers  
Message-ID: <199701070404.UAA21251@dfw-ix6.ix.netcom.com>

Hi gang,

I know this is more of a BA question, but what the heck - they glow, don't  
they?

I just acquired in a trade one each of the following:

BC 455 B  
BC 454 B  
BC 946 B

I used to have these exact same units as a kid, and fate steered me into  
a trade recently for the same three models. They're the 80m, 40m, and  
VLF versions.

My questions?

1. What voltage should I use for the HV? I know the pinout, but not the voltage. Anyone have a spare power plug?
2. How selective are these? Would one make a good tuneable IF for a homebrew receiver project? Or are they too wide? How is the sensitivity and stability, as glowbug stuff goes?
3. Does any one have a spare tuning knob? None of the three has one.
4. Is the antenna input LO-Z or HI-Z?
5. Is a schematic available for any of them that anyone knows about?
6. I don't remember - do they have a BFO? A product detector?
7. How many scanning memories are there? ... just checking to see who's sleeping <g>

Any anecdotes, novice receiver stories, tips, warnings, musings, spells (evil or otherwise), or other info about these goodies would be neat. I know QST and the others ran conversion articles with mods and such. Any of those that anyone has I'd be happy to pay copying and postage for. I'd REALLY love to find a schematic so I could upgrade them with IF filters and the like.

What were they used for? The only one with a date says March 1945, so I presume they were WWII service, possibly Korea as well. But how were they employed? It seems odd to have the antenna jack on the front.

Again, sorry if this is too far off topic. I just feel more friendly with the 'buggers and I'm not on the BA listserv. I don't generally post to newsgroups with this kind of stuff, either, so here I am!

Thanks to all who reply,

Dave WB7AWK

"Give me ambiguity or give me something else"

-----  
Date: Mon, 06 Jan 1997 21:54:10 -0700  
From: Doug <doug@sunrise.alpinet.net>

To: glowbugs@theporch.com  
Subject: Re: Help with ARC-5 Receivers  
Message-ID: <32D1D6F2.358D@alpinet.net>

Hi Dave....wow...what a trade! I've still got three of them myself, but if you get a notion to sell 'em off...let me know.

Plate voltage is about 220 volts, but remember the filaments are set up for 24 volts. You can do a 12 volt tube conversion or wire them all up for 6 volt operation with the tubes in the list below.

original	replacement
12sk7	6sk7
12k8	6k8
12sr7	6sr7 or 6sq7
12a6	6k6, 6v6 or 6f6
12sf7	6sf7

There is a BFO in place...just a switch on the front panel will enable that.

The antenna input is definitely Hi-Z....working into a wire trailed by the aircraft.

The BC-455 rcvr is about broad as a barn door on 40 meters...but the LF rig is good for BC band coverage. The 454 will do fine for 80 meter coverage also.

The IF freqs are:

BC 455 2830 kc

BC 454 1415 kc

BC 946 239 kc

I think I'd offer a guess you might have a trifle of heartache finding modern filters ready made for those freqs...but who knows?

Good Luck and have fun with those....they are really a chunk of History. I can still smell the varnish and anti-fungus treatment that reeks out of those little rigs...think I might even still have a bottle of screws from them. It seemed like a million of them when I was a kid.

73

Doug Dunn, K7YD

Livingston, MT

Dave wrote:

>

> Hi gang,

>

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> they?

>

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> a trade recently for the same three models. They're the 80m, 40m, and

> VLF versions.

>

> My questions?

>

> 1. What voltage should I use for the HV? I know the pinout, but

> not the voltage. Anyone have a spare power plug?

>

> 2. How selective are these? Would one make a good tuneable IF

> for a homebrew receiver project? Or are they too wide?

> How is the sensitivity and stability, as glowbug stuff goes?

>

> 3. Does any one have a spare tuning knob? None of the three has

> one.

>

> 4. Is the antenna input LO-Z or HI-Z?

>

> 5. Is a schematic available for any of them that anyone knows about?

>

> 6. I don't remember - do they have a BFO? A product detector?

>

> 7. How many scanning memories are there? ... just checking to see

> who's sleeping <g>

>

> Any anecdotes, novice receiver stories, tips, warnings, musings, spells (evil

> or otherwise), or other info about these goodies would be neat. I know QST and

> the others ran conversion articles with mods and such. Any of those that

> anyone has I'd be happy to pay copying and postage for. I'd REALLY love to

> find a schematic so I could upgrade them with IF filters and the like.

>

> What were they used for? The only one with a date says March 1945, so I presume

> they were WWII service, possibly Korea as well. But how were they employed? It

> seems odd to have the antenna jack on the front.

>

> Again, sorry if this is too far off topic. I just feel more friendly with

> the 'buggers and I'm not on the BA listserv. I don't generally post to

> newsgroups with this kind of stuff, either, so here I am!

>

> Thanks to all who reply,



>  
> Dave WB7AWK  
> "Give me ambiquity or give me something else"

-----  
Date: Tue, 7 Jan 1997 00:57:15 -0500 (EST)  
From: "Joseph L. Hartmann, Jr." <joe@h@sugar-river.net>  
To: Dave <gekko95@ix.netcom.com>  
Subject: Re: Help with ARC-5 Receivers  
Message-ID: <Pine.BSD/.3.91.970107003039.13215D-100000@arakis.sugar-river.net>

On Mon, 6 Jan 1997, Dave wrote:

>  
>  
> Hi gang,  
>  
> I know this is more of a BA question, but what the heck - they glow, don't  
> they?  
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>  
> I used to have these exact same units as a kid, and fate steered me into  
> a trade recently for the same three models. They're the 80m, 40m, and  
> VLF versions.  
>  
> My questions?  
>  
> 1. What voltage should I use for the HV? I know the pinout, but  
> not the voltage. Anyone have a spare power plug?

200 to 250 volts would probably work ok.

Even in '52 we used wires and solder to the plug!

>  
> 2. How selective are these? Would one make a good tuneable IF  
> for a homebrew receiver project? Or are they too wide?  
> How is the sensitivity and stability, as glowbug stuff goes?

Not very selective (except for the low freq unit perhaps.)

>  
> 3. Does any one have a spare tuning knob? None of the three has  
> one.

Hmmmmm -- now how did Father Rooney solve *that* one? I recall he got a piece of copper tubing, just big enough to fit over the splined shaft that the knob (if you had it) would go on. Then he filled the tube with solder, making sure he got good "wetting" to the tube. Then he drilled out the tube, to a dimension slightly smaller than what the spline required. Then he tapped the solder-treated copper tube gently over the spline. Worked fine, if slightly eccentric (Father Rooney didn't have a milling machine). Then he put a normal knob on the copper tube.

> 4. Is the antenna input LO-Z or HI-Z?

Father never told me. Just switched my RG-59U from the xmtr to those terminals.

>  
> 5. Is a schematic available for any of them that anyone knows about?

There were schematics published at the time ('52) -- I think CQ was big on mil-surplus conversions. You are gonna have to be *lucky* to find one -- but maybe someone on the list ....

>  
> 6. I don't remember - do they have a BFO? A product detector?

Yes they have a BFO -- don't think the product detector was invented then.

>  
> 7. How many scanning memories are there? ... just checking to see  
> who's sleeping <g>

17. opppps.

>  
> Any anecdotes, novice receiver stories, tips, warnings, musings, spells (evil  
> or otherwise), or other info about these goodies would be neat. I know QST and  
> the others ran conversion articles with mods and such. Any of those that  
> anyone has I'd be happy to pay copying and postage for. I'd REALLY love to  
> find a schematic so I could upgrade them with IF filters and the like.

Wow! You want me to write a book? Guys on this list will \*kill\* me!  
Well I worked Australia and New Zealand with it from  
Connecticut. (on 40 meters). I hated the bandsread -- it  
tuned much too fast. There was a mod printed someplace (CQ or  
QST) where you put in some fixed "C" and a some trimmers  
someplace, and pulled out \*all\* but one plate of the variable  
cap. I did that one by myself: Thanks for the training, Father  
Rooney! That mod gave very good bandsread, but the  
selectivity was never much good -- \*you\* just got good at  
copying thru the qrm.

> > What

were they used for? The only one with a date says March 1945,  
so I presume > they were WWII service, possibly Korea as well.  
But how were they employed?

I believe they were used by pilots -- fighter pilots I believe.  
Hope they had better rigs by Korea.

It > seems odd to have the antenna  
jack on the front.

I would bet this had to do with the way the antenna system on a  
fighter was hooked up. Never saw one, never read about how it  
worked either. Check with your local antique pilot's group.  
They probably know more about them than anyone nowadays.

> > Again, sorry if this is too far off  
topic. I just feel more friendly with > the 'buggers and I'm  
not on the BA listserv. I don't generally post to > newsgroups  
with this kind of stuff, either, so here I am!

The glowbugs would probably be the place for your post. let's  
see what's the list? glowbugs@theporch.com

Guess you would do something like: email to  
glowbugs-request@theporch.com

In Subject put : subscribe

In message put : subscribe ... or subscribe your-name

Just a guess. If it don't work the robot will probably let you know.

Good to hear from you and good luck.

Best Regards,

Joe Hartmann           Tel: (603) 863 6073  
K2AJV -issued       email: joeh@sugar-river.net  
1951               home-page: <http://www.sugar-river.net/~joeh>

-----  
First Student at the:

Linux Academy in the Sunshine Town of Newport, NH

Thanks to RMS, Linus, and other contributors of free software!  
----- I grant this to the public domain -----

> > Thanks to  
all who reply, > > > Dave WB7AWK > "Give me ambiguity or give  
me something else" > > >

-----  
Date: Mon, 6 Jan 1997 22:57:26 -0800  
From: "Paul F. Carreiro" <carreiro@barepower.net>  
To: Glowbugs@theporch.com  
Cc: bry@mail1.mnsinc.com  
Subject: ARRL grants Glowbugs copy permission  
Message-ID: <199701070657.WAA20973@current.barepower.net>

Hello fellow Glowbugs.. this is one for the archives..

The ARRL has responded today with permission for those of us on the  
Glowbug list to make copies of tube gear constructions articles and  
schematics from QST magazine and the "The Radio Amateur's Handbook".  
See the email received today. I will keep this message resident on  
my web page.

73 Paul N6EV <http://www.barepower.net/~carreiro/>  
-----

>Date: Mon, 6 Jan 1997 10:56:00 -0500  
>From: "Weinberg, Maty" <maty@arrl.org>  
>Subject: RE: Reprint Permission from old Handbook  
>To: "Paul F. Carreiro" <carreiro@barepower.net>, maty <maty@arrl.org>  
>  
>Hi Paul,  
>  
>Sorry to take so long to get back to you. I've been out of the office.  
>  
>You have our permission to make copies of tube gear construction articles and  
>schematics from later editions of "QST" and the "Handbook" as outlined

>below. Please include Reprinted with permission from [publication][date];  
>copyright ARRL.

>

>Sincerely,

>

>Maty Weinberg

>Assistant to the Publications Manager

>

>

> -----

>Date: Friday, January 03, 1997 12:17AM

>To: maty@arrl.org

>From: "Paul F. Carreiro" <carreiro@barepower.net>

>Subject: Reprint Permission from old Handbooks

>Cc: rdkeys@csemail.cropsci.ncsu.edu, conard@tntech.campus.mci.net,

> glowbugs@theporch.com

>

>

>Hi Maty.. I send you an email (reprinted below) back on December 8th and  
>have

>not heard back from you yet. Forgive the retransmission if you just have  
>not

>got around to my request yet. If not.. here it is again. Thanks for your  
>help. 73 Paul N6EV

>

>

>Dear Maty,

>Back on November 6th, you, on the behalf of the ARRL, graciously gave our

>internet "Glowbugs" group permission to make a few copies of select

>historical

>technical articles from early QST magazines (ref: attached Email below from

>yourself to Robert Keys, NA4G on 11/6/96). Since that time, interest and

>excitement has grown in our group about constructing some modern day

>versions

>of the simple 40s/50/60s style transmitters and receivers as depicted in

>the period QST magazines and "The Radio Amateur's Handbooks".

>

>Many in our group have wanted to share their favorite tube gear construction

>articles and schematics from issues of QST and the "Handbook" with others

>within the group. With the relative rarity of some of these issues and

>books

>it is essential that we pool our archive resources to further our charter

>(ie., the building/testing/learning about early receivers and transmitters).

>

>After reviewing the initial grant of permission that you extended our group

>last month, I thought it would be appropriate to formally request expansion

>of that permission to include various tube gear construction articles and

>schematics from later editions of QST and add permission to include

>construction articles and schematics from the "Handbook". In each case, we

>would have the proper "reprinted with permission from [issue date] QST  
>(or Handbook)".  
>  
>Again, thank you for the initial grant of permission, and consideration of  
>our request.  
>  
>Sincerely,  
>Paul F. Carreiro, N6EV  
>carreiro@barepower.net  
>  
>  
>Included Email:  
>> From: maty@arrl.org Wed Nov 6 09:23:57 1996  
>> Message-Id: <m0vL8T5-000f4BC@mgate.arrl.org>  
>> Date: Wed, 6 Nov 1996 08:54:00 -0500  
>> From: "Weinberg, Maty" <maty@arrl.org>  
>> Subject: RE: Request permission to use serveral o  
>> To: rdkeys <rdkeys@csemail.cropsci.ncsu.edu>  
>> X-Mailer: Worldtalk (NetConnex V4.00a)/MIME  
>>  
>>  
>> Robert,  
>>  
>> You may make copies of the article outlined below for distribution  
>> to the "Glowbugs." Please be sure to include the "reprinted with  
>> permission from  
>> [issue date] QST" line on the copies.  
>>  
>> Sincerely,  
>>  
>> Maty Weinberg  
>> Assistant to the Publications Manager  
>> -----  
>>> >From: rdkeys  
>>> To: lweinberg  
>>> Cc: rdkeys; mwilson; conard  
>>> Subject: Request permission to use serveral old QST articles  
>>> Date: Thursday, October 31, 1996 3:22PM  
>>> To: lweinberg@arrl.org  
>>> Date: Thu, 31 Oct 1996 15:22:33 -0500 (EST)  
>>> -----  
>>> Lori Weinberg, 31 October, 1996  
>>> Mark Wilson, Publications Manager American Radio Relay League, 225  
>>> Main Street, Newington, CT 06111-1494.  
>>>  
>>> Dear Lori and Mark:  
>>>  
>>> Back in 1993, I requested and was granted permission to use several

>>> early QST articles in a historical radio work that I was writing  
>>> for use by interested local hams in our club's Homebrew SIG. That  
>>> went well, and was well received. Thank you for your permission to  
>>> use those articles.

>>>

>>> Lately, there has been some interest, amongst a group of radio  
>>> history buffs and constructors, known as the Glowbugs, a group  
>>> interested in learning about the history and development and  
>>> practical application of vacuum tube electronics in amateur radio,  
>>> in using some of these articles as a basis for  
>>> building/testing/learning about early receivers and transmitters.  
>>> This group meets via the internet as a mailing list of about 200  
>>> individuals. Out of these 200, perhaps some 25 or so are  
>>> interested in actually building and testing such early equipment.  
>>> It would be of benefit to me or them/us, collectively, to be able  
>>> to use about half a dozen or so of the historically more important  
>>> articles that have appeared in QST, for our  
>>> building/testing/discussions on the topic. Of particular interest  
>>> would be classic articles such as the John Reinartz regen receiver  
>>> article in 1922, the 1928/29 articles on receivers and transmitters  
>>> (the ``1929'' style amateur station series put together by the ARRL  
>>> Technical Department under the able direction of the well known  
>>> Ross Hull), several of the articles made famous by the other well  
>>> known Technical Department staffer, George Grammer, in the 30's,  
>>> and then one or two after the war when the last general use of such  
>>> equipment was made, and the transition to the classic novice style  
>>> single tuber rig began. These are basically the articles that you  
>>> granted me permission to use, previously, plus one or two other  
>>> selections that seem appropriate.

>>>

>>> My/our(the Glowbugs) use of these articles should fall under the  
>>> scholarly use category, as I interpret such matters. But, I feel  
>>> that it is appropriate to obtain express permission, and  
>>> credit/cite ``Reprinted, [issue date], courtesy QST'', as I had  
>>> done earlier in previous works.

>>>

>>> To this end, I would like to formally request permission from the  
>>> ARRL to make a few copies of selected early QST articles, as  
>>> covered above, for my/our(the Glowbugs) use in our  
>>> discussions/building/learning about early radio.

>>>

>>> Thank you for your consideration in this matter.

>>>

>>> Sincerely,

>>> Robert D. Keys/NA4G

>>> rdkeys@csemail.cropsci.ncsu.edu

>>>

>>> p.s. Two other things that might be of interest to other amateur

>>> radio  
>>> operators..... 1) a short note in QST about the Glowbugs,  
>>> and how interested members of the amateur community may join  
>>> in on our discussions and on-the-air nets, and 2) the  
>>> articles that I put together back in 1993 are in electronic  
>>> PostScript format which might be worth archiving in the  
>>> ARRL's on-line archives somewhere, if interested (I would be  
>>> happy to forward copies via email if so interested)(perhaps  
>>> other such historical reprints could be put there, too).  
>>>  
>>> cc C.F. Murray/WS4S conard@tntech.campus.mci.net  
>>> (listowner of glowbugs@theporch.com)  
>>> cc Glowbugs mailing list (glowbugs@theporch.com)  
>>>  
>>> Note: The Glowbugs mailing list information can be obtained from  
>>> the listowner, C.F. Murray/WS4S,  
>>> conard@tntech.campus.mci.net, via email.

Paul F. Carreiro - N6EV - ex-N6HCS - El Camino Village, CA  
E-Mail: carreiro@barepower.net - <http://www.barepower.net/~carreiro/>  
QRP - Boatanchors - Mobile CW - QRQ +40WPM  
NorCal QRP #367 - QRP QRCI #8885 - CW FISTS #1407 - QRP-L #236  
Zuni Loop Mountain Expeditionary Force (QRP Field Day)

-----  
Date: Tue, 07 Jan 1997 06:35:19 -0500  
From: John <johnmb@mindspring.com>  
To: glowbugs@theporch.com  
Subject: ARRL grants Glowbugs copy permission  
Message-ID: <199701071132.GAA25696@borg.mindspring.com>

Good show Paul!  
Your effort in this regard is appreciated by all!  
/John

>  
>Hello fellow Glowbugs.. this is one for the archives..  
>  
>The ARRL has responded today with permission for those of us on the  
>Glowbug list to make copies of tube gear constructions articles and  
>schematics from QST magazine and the "The Radio Amateur's Handbook".  
>See the email received today. I will keep this message resident on  
>my web page.  
>



>73 Paul N6EV <http://www.barepower.net/~carreiro/>

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+-----+
              John Brewer              johnmb@mindspring.com
              WB50AU/4                 AMI #24
Vintage Gear web page: http://www.mindspring.com/~johnmb
+-----+
```

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Date: Tue, 7 Jan 1997 04:53:10 -0800  
From: arc5@ix.netcom.com (David Stinson )  
To: glowbugs@theporch.com  
Subject: Re: Help with ARC-5 Receivers  
Message-ID: <199701071253.EAA13764@dfw-ix6.ix.netcom.com>

Hello Dave.

You have found some valuable pieces of history. Even the U.S. Army Signal Corps museum calls them "famous." I collect, restore to original and operate these type units. They are part of the WW-II era radio set SCR-274N, and saw broad service in very many aircraft even up to the 1960s. B-17, B-24 and B-29 bombers carried three receivers and two transmitters, along with an antenna switch, modulator and control boxes. They were used to talk AM plane-to-plane, and were thus known as "command sets."

They were designed to be broad on purpose, because the technology of the time did not allow for exact frequency setting. Many planes in your formation of several hundred might be as much as 5-10 KCs off freq, so broad receivers were required. Here are the freqs of the units you list:

```
>      BC 455 B  6-9 MC
>      BC 454 B  3-6 MC
>      BC 946 B  550-1500 KC
```

The LF version is BC-453. If your "946" tunes 190-500 KC, then the tags have been switched. A real 946 in good shape is rare and valuable.

The units plug into a rack and operate through a control box. The HV is supplied by a dynamotor mounted on the back deck. All these parts can still be found, and the units can be operated successfully in their historic configuration.

If you hack, chop "convert" or modify these units, they will have no value other than as "parts" hulks to collectors and historians.

You can never make a "good," as in "modern operating" receiver of them anymore than you can make a Porsche sports car out of a Ford model "T" flivver. All you can do is destroy an historic relic. Once you get tired of fighting the QRM on 40, it will end up gathering dust in a box until your heirs throw it in the dumpster.

It's much better to let a model-T \*be\* a model T, and learn the skill required to drive it on today's roads, or pass it on to someone who wishes to do so.

If you wish to use the units in an original configuration, please contact me in private email for further information.

73 OM DE Dave Stinson AB5S  
arc5@ix.netcom.com

-----  
Date: Tue, 7 Jan 1997 11:11:43 -0500 (EST)  
From: Siegfried Rambaum <siram@lightlink.com>  
To: w4oa@vibroplex.com, nmcewen@metronet.com, rdkeys@csemail.cropsci.ncsu.edu,  
Subject: Sulking Elephants  
Message-ID: <Pine.SUN.3.95.9701071111041.22994C-100000@light.lightlink.com>

Hello, YLs and OMs;

A search on the net for Morse Code yielded -- among other informations -- you as either a CW-Elmer or in some other capacity of supporting CW. That is why you receive this e-mail. The subject line of this mail is just arbitrarily chosen, and if you look further down on the list for F, you will find the explanation, what Sulking Elephants and Morse Code have in common.

About two weeks ago, I started to query a few newsgroups and mailing lists for what I initially dubbed "CW Phonetics". Actually, "CW Rhythmics" would be the more appropriate expression for it.

In their responses to my query, some guys told me, that no such thing like "CW Phonetics" does exist. Others contributed real CW-rhythmics or CW-mnemonics.

Learning Morse Code is gonna be fun, if there are other jewels out there like the "Telegrapher's Daughter" or the "Sulking Elephants"... Even

though the latter melodic is in Icelandic, the image sticks and so do the words, along with the dididahdit melody. Some of the character CW melodics still lack the raffinesse of the Telegrapher's Daughter, and so I am interested to unearth more CW melodic phrases.

Do you know of some melodic, that is not in this list? It needs not be in English, German, Russian or Icelandic. How about some Espanol, Italiano, Francais ... or whatever your first language might be or had been when you learnt CW. If funny, it will be enjoyed by some ...

Many thanks to all who contributed so far - Bolshoi spassibo - Vielen Dank and I wish I knew the Icelandic for "Thank you"

73

Siegfried  
KB2YVC + DE8FGO

\*\*\*\*\*  
Here is an interim report on my query for MORSE CODE MELODICS  
Two complete sets of mnemonic words for English, one complete  
set for Russian, one complete set for Icelandic (I can't read  
it, as some characters show up as graphics symbols instead of  
characters on my screen) and one for German were received in  
the last few days, but I have not yet reviewed them nor appen-  
ded to this overview.

If you are interested to be informed on how the list develops,  
drop me an email and I will update you in sporadic intervals.

\*\*\*\*\*

Letter A

Morse-Melody.....Didah  
AA4UF.....Say ahhhh  
NS2G/W3HSN.....Around

Letter B

Morse-Melody.....Dahdididit  
AA4UF.....Band ratata  
NS2G/W3HSN.....Bakerybun  
WB2EMS.....Ben's best bent wire

Letter C

Morse-Melody.....Dahdidahdit  
AA4UF.....Catch it, catch it  
NS2G/W3HSN.....Crouded cloister

Letter D

Morse-Melody.....Dahdidit  
AA4UF.....Dog did it  
NS2G/W3HSN.....Dangerous  
WB2EMS.....(Telegrapher's DAUGHTER):  
She did it (and did it, and did it ...)

Letter E

Morse-Melody.....Dit  
AA4UF.....Ekk  
NS2G/W3HSN.....Egg

#### Letter F

Morse-Melody.....Dididahdit  
AA4UF.....Did I fail it?  
AB5OX.....Get a haircut  
(those were due on FRIDAYs)  
G3ZQS.....Filling Station  
NS2G/W3HSN.....Fifi foolish  
TF3DX.....Fill i fylu  
(Icelandic for "Sulking Elephant")

#### Letter G

Morse-Melody.....Dahdahdit  
AA4UF.....God loves me  
NS2G/W3HSN.....Good Gracious  
UU0JN.....Ga-ga-rin  
(Surname of the first man in space)

#### Letter H

Morse-Melody.....Didididit  
AA4UF.....Deep in the heart  
NS2G/W3HSN.....Hilly Billy

#### Letter I

Morse-Melody.....Didit  
AA4UF.....It bit  
NS2G/W3HSN.....Inky

#### Letter J

Morse-Melody.....Didahdahdah  
AA4UF.....In jaws jaws jaws  
NS2G/W3HSN.....Jerome K. Jones

#### Letter K

Morse-Melody.....Dahdidah  
AA4UF.....Kang-ga-roo  
NS2G/W3HSN.....Kokomoh  
UU0JN.....Kak de la?  
(Russian for "How are you?")

#### Letter L

Morse-Melody.....Didahdidit  
AA4UF.....A light is lit  
DL1FAE.....Ich liebe Dich  
(German for "I love you")  
NS2G/W3HSN.....Linoleum

#### Letter M

Morse-Melody.....Dahdah  
AA4UF.....Mom-mah  
NS2G/W3HSN.....May-Day

#### Letter N

Morse-Melody.....Dahdit

AA4UF.....Notice  
 NS2G/W3HSN.....Neighbor  
 Letter O  
 Morse-Melody.....Dahdahdah  
 AA4UF.....Hoh hoh hoh  
 NS2G/W3HSN.....Ozone-Blows  
 Letter P  
 Morse-Melody.....Didahdahdit  
 AA4UF.....Did Pop pop it?  
 NS2G/W3HSN.....Polite people  
 Letter Q  
 Morse-Melody.....Dahdahdidah  
 AA4UF, AB50X, K6JC..Pay day to-day  
 (Quid: British slang for Pound Sterling)  
 DL7UNO.....Ja, Quark macht stark  
 (Yes, curd gives strength)  
 G3ZQS.....Gawd save the Queen  
 NS2G/W3HSN.....Queer, queer indeed  
 WB2EMS.....Here comes the bride  
 Letter R  
 Morse-Melody.....Didahdit  
 AA4UF.....Brr rab-bit  
 NS2G/W3HSN.....Remember  
 Letter S  
 Morse-Melody.....Dididit  
 AA4UF.....siss siss siss  
 NS2G/W3HSN.....Sissy Sid  
 Letter T  
 Morse-Melody.....Dah  
 AA4UF.....Tall  
 NS2G/W3HSN.....Tea  
 Letter U  
 Morse-Melody.....Dididah  
 AA4UF.....Kissa you  
 NS2G/W3HSN.....Understand?  
 Letter V  
 Morse-Melody.....Didididah  
 AA4UF.....Vee vee vee Van (Beethoven's 5th)  
 NS2G/W3HSN.....Visible Ray  
 Letter W  
 Morse-Melody.....Didahdah  
 AA4UF.....My Water  
 NS2G/W3HSN.....Without Words  
 Letter X  
 Morse-Melody.....Dahdididah  
 AA4UF.....Cross at the door  
 NS2G/W3HSN..... ???  
 Letter Y

Morse-Melody.....Dadidahdah  
AA4UF.....Why did I die?  
NS2G/W3HSN.....Yes and you too  
Letter Z  
Morse-Melody.....Dahdahdidit  
AA4UF.....Zsa Zsa did it  
NS2G/W3HSN.....Zero Weather

-----  
Date: Tue, 07 Jan 1997 11:25:58 -0500  
From: Roy Morgan <morgan@speckle.ncsl.nist.gov>  
To: arc5@ix.netcom.com, glowbugs@theporch.com  
Subject: Re: Help with ARC-5 Receivers  
Message-ID: <9701071625.AA13250@speckle.ncsl.nist.gov>

At 06:56 AM 1/7/97 -0600, you wrote:  
>Hello Dave.  
>You have found some valuable pieces of history.  
..  
>It's much better to let a model-T \*be\* a model T, and  
>learn the skill required to drive it on today's roads,  
>or pass it on to someone who wishes to do so.  
>  
>If you wish to use the units in an original configuration,  
>please contact me in private email for further information.  
>  
>73 OM DE Dave Stinson AB5S

I second Dave's opinion, and amplify my own perhaps emotional feelings:

(Soap box mode on.)

If you wish to use the units in an original configuration, I'll give you a LOT of help and encouragement.

If you want to chop and channel them, I DON'T WANT TO EVER HEAR ABOUT IT!!!

(Soap box mode off.)

-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --

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End of GLOWBUGS Digest 407

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